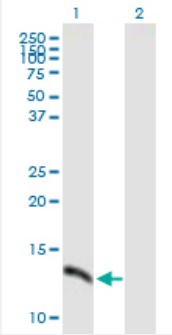
MaxPab®

SH2D1A purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004068-B01P Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of SH2D1A expression in transfected 293T cell line (H00004068-T02) by SH2D1A MaxPab polyclonal antibody.

Lane 1: SH2D1A transfected lysate(14.08 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human SH2D1A protein.
Immunogen	SH2D1A (NP_002342.1, 1 a.a. ~ 128 a.a) full-length human protein.
Sequence	MDAVAVYHGKISRETGEKLLLATGLDGSYLLRDSESVPGVYCLCVLYHGYIYTYRVSQTETGSWSA ETAPGVHKRYFRKIKNLISAFQKPDQGIVIPLQYPVEKKSSARSTQGTTGIREDPDVCLKAP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (89)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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  Protocol Download

Gene Info — SH2D1A

Entrez GeneID	4068
GeneBank Accession#	NM_002351
Protein Accession#	NP_002342.1
Gene Name	SH2D1A
Gene Alias	DSHP, EBVS, FLJ18687, FLJ92177, IMD5, LYP, MTCP1, SAP, XLP, XLPD
Gene Description	SH2 domain protein 1A
Omim ID	300490 308240
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that plays a major role in the bidirectional stimulation of T and B cells . This protein contains an SH2 domain and a short tail. It associates with the signaling lymphocyte -activation molecule, thereby acting as an inhibitor of this transmembrane protein by blocking the r ecruitment of the SH2-domain-containing signal-transduction molecule SHP-2 to its docking site. This protein can also bind to other related surface molecules that are expressed on activated T, B and NK cells, thereby modifying signal transduction pathways in these cells. Mutations in this gene cause lymphoproliferative syndrome X-linked type 1 or Duncan disease, a rare immunodeficiency characterized by extreme susceptibility to infection with Epstein-Barr virus, with symptoms includi ng severe mononucleosis and malignant lymphoma. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	Duncan's disease|OTTHUMP00000023976|SLAM-associated protein|T cell signal transduction molecule SAP|signaling lymphocyte activation molecule-associated protein

Pathway

- Natural killer cell mediated cytotoxicity

Disease

- Common Variable Immunodeficiency
- Epstein-Barr Virus Infections
- Genetic Predisposition to Disease
- Immunologic Deficiency Syndromes
- Infectious Mononucleosis
- Lymphoma
- Lymphoproliferative Disorders
- Severe Combined Immunodeficiency